**Newton’s Toy Box**

**Activity #2: Gravity and Balance**

**Objectives** Students are introduced to gravity as the force that pulls objects toward Earth’s center

Students will identify gravity as the force that makes an object fall

Students will measure the gravity force on an object

Students will compare gravity and gravity support forces

**Procedures**

~ Use the TM to begin assessing prior knowledge about gravity and to introduce the activity.

~ Distribute and demonstrate how to use the wooden sphere, spring scale and mesh bag to complete the activity sheet #2

~ Explain the relationship between what a newton (N) and a pound (lb) is. Also, how weight is described as the strength of gravity force pulling down on an object.

~ Illustrate on the board, using arrows, how gravity force and how gravity support force works on an object (Tm p. 22)

~ Allow students time to complete the activity

~ Science challenge (TMp. 23)

~ Science extension #2 (TM p 23).

~ Use pp. 4-5, 8 to reinforce concepts.

**Assessment** Participation in class discussions and activities

Participation in group activity

Unit test